Practice worksheet | Matrices and networks

Interpreting the practicality of a solution

Name: _____ Date: _____

6 questions | 12 marks

1. A 12 dollars route uses a closed bridge. The cheapest permitted route costs 15 dollars. Which is recommended? [2 marks]

2. A flow network uses L/s but demand is 720 L/min. Convert demand. [2 marks]

3. A cable model weights edges by distance and ignores rocky terrain. Suggest a specific improvement. [2 marks]

4. Trees cost 9,200 dollars and 9,250 dollars based on edge estimates rounded to 100 dollars. Explain the uncertain ranking. [2 marks]

5. Maximum flow is 40 units/hour and demand is 45. Is the system adequate? [2 marks]

6. A subtotal of 180 dollars excludes one fixed 25 dollars delivery fee. State the corrected total and assumption. [2 marks]